Qty:

80 Um:

Each

: BRACKET

: D31991

: N/A

· NIA

: 1/5/2007

: D3199 REV B

Date:

Tuesday, 12/5/2006 8:20:24 AM

User:

Kim Johnston

**Process Sheet** 

**Drawing Name** 

**Part Number** 

Material

**Due Date** 

**Drawing Number** 

Project Number

**Drawing Revision** 

Customer Job Number : CU-DAR001 Dart Helicopters Services

**Estimate Number** 

: 29822

: 10283

P.O. Number

**Previous Run** 

Written By

Comment

: JIA

: 12/5/2006 This Issue

Prsht Rev.

First Issue : 29400

: NC : NA

S.O. No. : 4 /A

Type

: SMALL /MED FAB

Checked & Approved By

Est Rev:D

Removed Scribing

05-11-05 06-11-24

As per Rev B

JLM JLM

**Additional Product** 

Job Number:



Seq. #:

1.0

Machine Or Operation:

M304S20GA

Description:

304/316 .040 Sheet

Comment: Qty.: 0.1040 sf(s)/Unit Total: 304/316 0.040" SHEET

Batch: M 101463

8.3160 sf(s)

20





Comment: FLOW WATER JET

Cut as per Dwg D3199 Dwg Rev:\_B

Prog Rev:

Deburr if required

06 12 06

08:12:09

3.0 QC2

INSPECT PARTS AS THEY COME OFF MACHINE

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

4.0 QC8 SECOND CHECK



Comment: SECOND CHECK

SMALL FAB 1

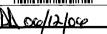
SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Form as per dwg D3199











Page 1

Form: rprocess

## **Dart Aerospace Ltd**

| W/O: |      | WORK ORDER CHANGES |     |  |          |  |                               |                          |  |
|------|------|--------------------|-----|--|----------|--|-------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE   | Ву  |  | Date Qty |  | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |  |
|      |      |                    | . • |  | •        |  |                               |                          |  |
|      |      |                    |     |  |          |  |                               |                          |  |
|      |      |                    |     |  |          |  |                               |                          |  |
|      |      |                    |     |  |          |  |                               |                          |  |
|      |      |                    |     |  |          |  |                               | <del> </del>             |  |

| Part No: | PAR #: | _ Fault Category: | NCR: Yes No | DQA:   | Date: <u>১7/০//১</u> ৪ |
|----------|--------|-------------------|-------------|--------|------------------------|
|          |        |                   | QA: N/C (   | losed: | Date:                  |

| NCR: |      | V                 | VORK OR              | ORK ORDER NON-CONFORMANCE (NCR) |                |              |          |                          |  |
|------|------|-------------------|----------------------|---------------------------------|----------------|--------------|----------|--------------------------|--|
|      |      | Description of NC |                      | Corrective Action Section B     |                | Verification | Approval | Ammental                 |  |
| DATE | STEP | Section A         | Initial<br>Chief Eng | Action Description Chief Eng    | Sign &<br>Date | Section C    |          | Approval<br>QC Inspector |  |
|      |      |                   |                      |                                 |                |              |          |                          |  |
|      |      |                   |                      |                                 |                |              |          |                          |  |
|      |      |                   |                      |                                 |                | +            |          |                          |  |
|      |      |                   |                      |                                 |                |              |          |                          |  |
|      |      |                   | 1 · · .              |                                 |                | <i>:</i>     | ·        |                          |  |
|      |      |                   |                      |                                 |                |              |          |                          |  |
|      | ,    |                   |                      |                                 |                |              |          |                          |  |
|      |      |                   |                      |                                 |                |              |          |                          |  |
|      |      |                   |                      |                                 |                |              |          |                          |  |

NOTE: Date & initial all entries

Tuesday, 12/5/2006 8:20:25 AM Date: Kim Johnston User: **Process Sheet Drawing Name: BRACKET** Customer: CU-DAR001 Dart Helicopters Services Part Number: D31991 Job Number: 29822 Job Number: Machine Or Operation: **Description:** Seq. #: INSPECT WORK TO CURRENT STEP QC5 Comment: INSPECT WORK TO CURRENT STEP POWDER COATING POWDER COATING 7.0 M101601 POWDER COATING Comment: POWDER COATING Powder Coat Gey Sandtex (Ref: 4.3.5.7) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION QC3 8.0 POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE PACKAGING 1 9.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 5 FINAL INSPECTION/W/O RELEASI 10.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE CL07/01/04 Job Completion

3)

## **Dart Aerospace Ltd**

| W/O:    |      | WORK ORDER CHA         | WORK ORDER CHANGES |       |     |                               |                          |  |  |
|---------|------|------------------------|--------------------|-------|-----|-------------------------------|--------------------------|--|--|
| DATE    | STEP | PROCEDURE CHANGE       | Ву                 | Date  | Qty | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |  |  |
|         |      |                        |                    |       |     |                               |                          |  |  |
|         |      |                        |                    |       |     |                               |                          |  |  |
|         |      |                        |                    |       |     |                               |                          |  |  |
|         |      | ·                      |                    |       |     |                               |                          |  |  |
| Part No | :    | PAR #: Fault Category: | NCR: Yes           | No DQ | λ:  | Date:                         |                          |  |  |

QA: N/C Closed: \_\_\_\_ Date: \_\_\_\_

|      |                   | WORK ORDER NON-CONFORMANCE (NCR)                           |  |   |  |   |   |  |  |
|------|-------------------|--|--|---|--|---|---|--|--|
|      | Description of NC |  | Corrective Action Section B              |   |  |   | A   |  |  |
| STEP | Section A         | Initial Action Description Sign & Chief Eng Chief Eng Date |  |   |  | Approval QC Inspector   |   |  |  |
|      |                   |  |  |   |  |   |   |  |  |
|      |                   |  |  |   |  |   |   |  |  |
|      |                   |  |  |   |  |   |   |  |  |
|      |                   |  |  |   |  |   |   |  |  |
|      |                   |  |  |   |  |   |   |  |  |
|      |                   |  |  |   |  |   |   |  |  |
|      |                   |  |  |   |  |   | i   |  |  |
|      |                   |  |  |   |  |   |   |  |  |
|      |                   |  |  |   |  |   |   |  |  |
|      | STEP              | STED Description of NC                                     | STEP Description of NC Section A Initial | STEP Description of NC Corrective Action Section E Initial Action Description | STEP Description of NC Section A Initial Action Description Sign & | STEP Description of NC Section A Initial Action Description Sign & Verification Section C | STEP Description of NC Section A Section B Initial Action Description Sign & Verification Section C Chief Eng |  |  |

NOTE: Date & initial all entries

| DART AEROSPACE LTD            | Work Order:  | 29822       |
|-------------------------------|--------------|-------------|
| Description: Bracket          | Part Number: | D3199-1     |
| 06.12.05 C                    | B            |             |
| Inspection Dwg: D3199 Rev: AT |              | Page 1 of 1 |

## FIRST ARTICLE INSPECTION CHECKLIST

Prototype

X First Article

| Drawing<br>Dimension | Tolerance     | Actual<br>Dimension | Accept   | Reject | Method of<br>Inspection | Comments |
|----------------------|---------------|---------------------|----------|--------|-------------------------|----------|
| Ø0.210               | +0.005/-0.001 | 0.210               | <b>V</b> |        | VerN                    |          |
| 0.575                | +/-0.010      | 0.578               | \.\      |        | vern                    |          |
| 1.090                | +/-0.010      | 1,085               | J        |        | Vern                    |          |
| 2.015                | +/-0.010      | 2.015               | 1        |        | vern                    |          |
| 2.971                | +/-0.010      | 2.973               | 1        |        | vern                    |          |
| 1.830                | +/-0.010      | 1.832               | 1.       |        | vern                    |          |
| 4.830                | +/-0.010      | 4.833               | J        |        | VerN                    |          |
| 4.030                | +/-0.010      | 4.030               | 1        |        | vern                    |          |
|                      |               |                     |          |        |                         |          |
|                      |               |                     |          |        |                         |          |
|                      |               |                     |          |        |                         |          |
|                      |               |                     |          |        |                         |          |
|                      |               |                     |          |        |                         |          |
|                      |               |                     |          |        |                         |          |
|                      |               |                     |          | -      | †                       |          |

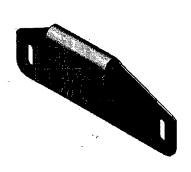
| Measured by: | M. MI    | Audited by: | W       | Prototype Approval: | N/A |
|--------------|----------|-------------|---------|---------------------|-----|
| Date:        | 06 12 06 | Date:       | 0/12/06 | Date:               | N/A |

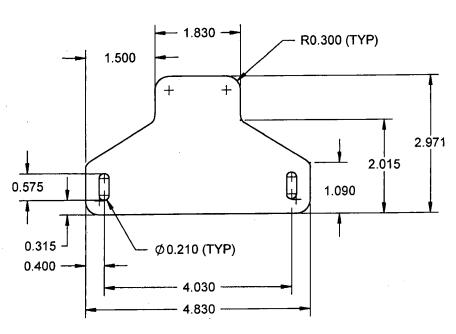
| Rev | Date        | Change    | Revised by | Approv <b>∉</b> d |
|-----|-------------|-----------|------------|-------------------|
| Α   | 06.10.20    | New Issue | KJ/JLM 🚜   |                   |
|     | <del></del> |           |            | //                |



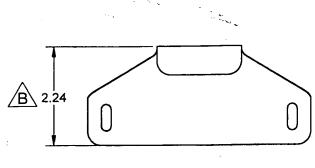
| DESIGN P DRAWN BY CB |          | DRAWN BY  | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA |                             |  |  |
|----------------------|----------|-----------|--|-----------------------------|--|--|
| CHECK                | ÇED      | APPROVED  | DRAWING NO.                                    | REV. B                      |  |  |
| 1 2                  | _        | <b>←#</b> | D3199  | SHEET 1 OF 1                |  |  |
| DATE                 |          |           | TITLE  | SCALE                       |  |  |
|                      | 06.1     | 1.01      | BRACKET  | 1:2                         |  |  |
| REV                  |          | DATE      | DESCRIPTION                                    | ON                          |  |  |
| A                    |          | 03.08.05  | NEW ISSUE                                      |                             |  |  |
| В                    | 06.11.01 |           | 2.24 WAS 2.142; ADD FINISH                     | 142; ADD FINISH; UPDATE DWG |  |  |

# RELEASED

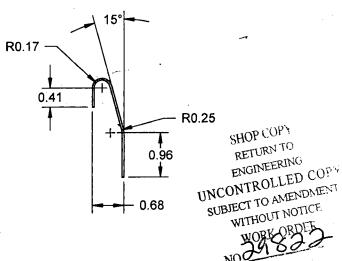




## D3199-1 FLAT PATTERN



**D3199-1 BRACKET** 



- 1) MATERIAL: AISI 304/316 SS SHEET 0.040" THICK PER MIL-S-5059 (REF DART SPEC. M304S) ANNEALED
- 2) FINISH: POWDER COAT GREY SANDTEX (REF 4.3.5.6) AS PER QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
  4) IDENTIFY WITH DART P/N "D3199-1" USING FINE POINT PERMANENT INK MARKER
- 5) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010 MAX

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